

Title (en)
HIGH AL STAINLESS STEEL SHEET, HONEYCOMB BODIES EMPLOYING THE STEEL SHEET AND USE OF THE STEEL SHEET FOR A HONEYCOMB BODY

Title (de)
BLECH AUS AL-REICHEM NICHTROSTENDEMSSTAHL, DARAUS HERGESTELLTEN WABENSTRUKTURKÖRPER UND VERWENDUNG DES BLECHS FÜR EINEN WABESTRUKTURKÖRPER

Title (fr)
PLAQUE EN ACIER INOXYDABLE RICHES EN ALUMINIUM, STRUCTURE D'ABEILLES OBTENUES A PARTIR DE CES PLAQUES ET UTILISATION DE PLAQUE POUR UNE STRUCTURE D'ABEILLES

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Application
EP 03774096 A 20031120

Priority

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Abstract (en)
[origin: WO2004046406A1] An Fe-Cr-Al stainless steel plate of high Al content exceeding 6.5% and double-layered plate thereof; a honeycomb structure produced from the stainless steel plate or double-layered plate; and a process for producing the stainless steel plate and double-layered plate. In particular, an Fe-Cr-Al stainless steel plate of high Al content characterized by comprising, in terms of mass%, 10 to 30% of Cr and more than 6.5 to 15% of Al, and high-Al double-layered plate thereof. Preferably, further, one or both of 0.02 to 0.1% of Ti and 0.02 to 0.3% of Nb are contained and simultaneously 0.01 to 0.1% of La, 0.01 to 0.1% of Ce and 0.01 to 0.05% of P are contained therein. Also preferably, further, 0.01 to 1.0 mass% of Cu is contained. Still also preferably, further, 0.001 to 0.1 mass% of Mg is contained. Furthermore, there is provided a honeycomb structure produced from this Fe-Cr-Al stainless steel plate.

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CPC (source: EP US)
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Cited by
CN103114243A; US2009280350A1; EP2033709A4; CN111961984A; EP2753804A4; US8820288B2; WO2006125649A3; US9028625B2; US9616411B2; WO2012034647A1; WO2006125648A3

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